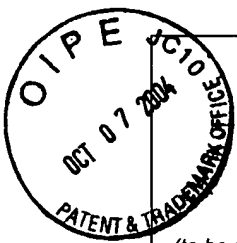


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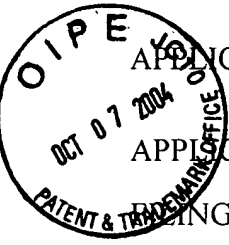
TRANSMITTAL FORM (to be used for all correspondence during pendency of filed application)		Application Number	10/687,019
		Filing Date	October 15, 2003
		First Named Inventor	John Barrus
		Group Art Unit Number	2176
		Examiner Name	Not yet known
Total Number of Pages in This Submission	10*	Attorney Docket Number	20412-07973

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Signature:			
Attorney/Reg. No.:	Amir H. Raubvogel, Reg. No.: 37,070	Dated:	October 4, 2004

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: John Barrus, Gregory J. Wolff, Kurt Piersol, Bradley Rhodes
and Stephen Savitzky
APPLICATION NO.: 10/687,019
FILING DATE: October 15, 2003
TITLE: Document Collection Manipulation
EXAMINER: Not yet known
GROUP ART UNIT: 2176
ATTY. DKT. NO.: 20412-07973

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INFORMATION DISCLOSURE STATEMENT

Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO/SB/08A listing references for consideration by the Examiner.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;
- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;

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- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR §1.113; or (2) an action that otherwise closes prosecution in the application, and:
 - ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- ☐ on or before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; (2) a notice of allowance under 37 CFR § 1.311; or (3) an action that otherwise closes prosecution in the application, and:
 - ☐ Applicant certifies pursuant to 37 CFR. § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement;
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated

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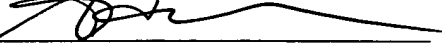
under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

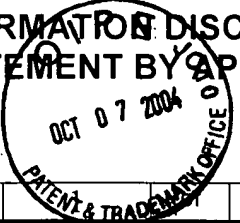
- ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
- ☐ after the payment of the issue fee. Applicant requests that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- ☐ Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.
- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No. _____, filed on _____, and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- ☒ This application was filed after June 30, 2003. Therefore, pursuant to the waiver of the requirements under 37 CFR 1.98(a)(2)(i), copies of each U.S. Patent and each U.S. Patent Application Publication are not required to be submitted. Copies of any foreign patent documents and non-patent literature cited herein are enclosed.
- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- ☒ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,
John Barrus, Gregory J. Wolff, Kurt Piersol, Bradley
Rhodes and Stephen Savitzky

Dated: October 4, 2004

By: 
Amir H. Raubvogel, Reg. No.: 37,070
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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT 		Application No.	10/687,019
		Filing Date	October 15, 2003
		First Named Inventor	John Barrus
		Art Unit	2176
		Examiner Name	Not yet known
		Attorney Docket Number	20412-07973
Sheet	6		

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Document No. Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		US-2004/0090462 A1	05-13-2004	Graham
		US-2003/0184598 A1	10-02-2003	Graham
		US-2003/0163552 A1	08-28-2003	Savitzky et al.
		US-2002/0097426 A1	07-25-2002	Gusmano et al.
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		US-6,332,147	12-18-2001	Moran et al.
		US-6,262,724	07-17-2001	Crow et al.
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		US-6,101,503	08-08-2000	Cooper et al.
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		US-5,990,934	11-23-1999	Nalwa
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		US-5,950,187	09-07-1999	Tsuda
		US-5,946,678	08-31-1999	Aalbersberg
		US-5,943,679	08-24-1999	Niles et al.

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STATEMENT BY APPLICANT****Complete if Known**

Application No.	10/687,019
Filing Date	October 15, 2003
First Named Inventor	John Barrus
Art Unit	2176
Examiner Name	Not yet known
Attorney Docket Number	20412-07973

Sheet 2 of 6

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document No. Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		US-5,933,841	08-03-1999	Schumacher et al.
		US-5,892,536	04-06-1999	Logan et al.
		US-5,873,107	02-16-1999	Borovoy et al.
		US-5,870,770	02-09-1999	Wolfe
		US-5,860,074	01-12-1999	Rowe et al.
		US-5,857,185	01-05-1999	Yamamura
		US-5,838,317	11-17-1998	Bolnick et al.
		US-5,832,474	11-03-1998	Lopresti et al.
		US-5,819,301	10-06-1998	Rowe et al.
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		US-5,751,283	05-12-1998	Smith
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		US-5,694,559	12-02-1997	Hobson et al.
		US-5,686,957	11-11-1997	Baker
		US-5,680,636	10-21-1997	Levine et al.

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Application No.	10/687,019
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First Named Inventor	John Barrus
Art Unit	2176
Examiner Name	Not yet known
Attorney Docket Number	20412-07973

Sheet 3 of 6

U.S. PATENT DOCUMENTS

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		US-5,638,543	06-10-1997	Pedersen et al.
		US-5,596,700	01-21-1997	Damell et al.
		US-5,481,666	01-02-1996	Nguyen et al.
		US-5,479,600	12-26-1995	Wroblewski et al.
		US-5,422,795	08-15-1995	Levine et al.
		US-5,418,948	05-23-1995	Turtle
		US-5,404,295	04-04-1995	Katz et al.
		US-5,384,703	01-24-1995	Withgott et al.
		US-5,349,658	09-20-1994	O'Rourke et al.
		US-5,309,359	05-03-1994	Katz et al.
		US-5,153,831	10-06-1992	Yianitos
		US-4,823,303	04-18-1989	Terasawa
		US-4,417,239	11-22-1983	Demke et al.

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ – Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶
		JP 8-297677 A	11-12-1996	Xerox Corporation	
		GB 2 290 898 A	01-10-1996	Canon Business Machines, Inc.	
		GB 2 234 609 A	02-06-1991	IBM Corporation	
		GB 2 156 118 A	10-02-1985	Canon Kabushiki Kaisha	
		GB 2 137 788 A	10-10-1984	Gavilan Computer Corporation	
		EP 802 492 A1	10-22-1997	IBM Corporation	
		EP 762 297 A2	03-12-1997	Sun Microsystems	

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Sheet	4	of	6	Attorney Docket Number	20412-07973

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		EP 737 927 A2	10-16-1996	Xerox Corporation	
		EP 459 174 A2	12-04-1991	Cina	
		EP 378 848 A2	07-05-1990	IBM Corporation	

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS					
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		ABDEL-MOTTALEB, M. et al., "Face Detection in Complex Environments From Color Images," IEEE ICIP 622-626, 1999.			
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		EROL, B. et al., "Local Motion Descriptors," IEEE Workshop on Multimedia Signal Processing, 467-472, 2001.			
		FOOTE, J. et al., "Finding Presentations in Recorded Meeting Using Audio and Video Features." ICASPP, 3029-3032, 1999.			
		FOOTE, J. et al., "FlyCam: Practical Panoramic Video and Automatic Camera Control," Proceedings of International Conference on Multimedia & Expo, 3:1419-1422, 2000.			

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Sheet	5	of	6	Attorney Docket Number	20412-07973

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS			
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		GLANCE, NATALIE et al., "Knowledge Pump: Community-Centered Collaborative Filtering," Xerox Research Centre Europe, Grenoble Laboratory, October 27, 1997, pp. 1-5.	
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		GREENBERG, S., "A Fisheye Text Editor for Relaxed-WYSIWIS Groupware," ACM SIGCHI'96 Conference on Human Factors in Computing System, Companion Proceedings, 1996, 5 pages.	
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		KAPRALOS, B. et al., "Eyes 'n Ears Face Detection," 2001 International Conference on Image Processing, 1:65-69, 2001.	
		KIMBER, D. et al., "Acoustic Segmentation for Audio Browsers," Proc. Interface Conference, Sydney, Australia, 10 pages, 1996.	
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Examiner Signature		Date Considered	
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		SNOWDON, DAVE et al., "Diffusing Information in Organizational Settings: Learning from Experience," CHI 2002, Volume No. 4, Issue No. 1, April 20-25, Minneapolis, Minnesota, pp. 331-338.	
		STAUFFER, C. et al., "Adaptive Background Mixture Models for Real-Time Tracking," Proceedings of Computer Vision and Pattern Recognition, 246-252.	
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Examiner Signature		Date Considered	
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